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IN THE UNITED STATES DESIGNATED/ELECTED OFFICE

International Application No. : PCT/EP2003/012693

International Filing Date : 13 November 2003 (13.11.2003)

Priority Date(s) Claimed : 07 December 2002 (07.12.2002)

Applicant(s) (DO/EO/US) : Matthew FRANCIS, et al.

Title: LIQUID-CRYSTALLINE MEDIUM AND LIQUID-CRYSTAL DISPLAY HAVING

HIGH TWIST

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.56, 1.97 and 1.98

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This information disclosure statement is made in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98 as follows:

Timing and Fees

\bowtie		37 C.F.R. § 1.97(b), no fee or statement is required for filing this information sure statement is filed:
		within three months of the filing date of a national application other than a CPA under § 1.53(d);
	\boxtimes	within three months of the actual filing date of the national phase of a PCT application; OR
		before the mailing of a first substantive office action (including after filing of an RCE).
		37 C.F.R. § 1.97(c), this information disclosure statement is filed after the periods led in 37 C.F.R. § 1.97(b), but before the mailing date of:
		a final rejection under 37 C.F.R. 1.113; termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2); OR a notice of allowance under 37 C.F.R. § 1.311; and



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		is acco	empanied by:	JC17 Rec'd PCT/PTO	07 JUN 2
			the statement as specified in 37	C.F.R. § 1.97(e) set out belo	ow; OR
			a check covering the fee of \$180	0.00 under 37 C.F.R. § 1.17(p).
			R. § 1.97(d), this information disc lowing actions which have not be		the mailing
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	AND i	s filed o	on or before payment of the issue	fee; AND is accompanied b	oy:
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Staten	nents Ur	nder 37	C.F.R. 1.97(e)		
			Each item of information constatement was cited in a commun counterpart foreign application h months prior to the filing date of	nication from a foreign pater aving a mailing date not mo	nt office in a re than three
			No item of information contained was cited in a communication from foreign application, and to the lafter making reasonable inquiry, information disclosure statement in 37 C.F.R. § 1.56(c) more than the information disclosure statement.	om a foreign patent office in a knowledge of the undersign no item of information cont t was known to any individua on three months prior to the f	a counterpart ned attorney ained in this al designated
Cited	Materia	<u>ls</u>			
		ancest	s of materials listed but not attache or application Serial No, or by the applicant; see 37 C.F.R. § 1	n Form 892 by the Examiner	
	\boxtimes	-	s of materials listed but not attach dated April 16, 2004.	ed were cited in an internat	ional search
		Not re	quired by 37 CFR § 1.98.		
		Copie	s of the materials listed are attach	ed (except for the foregoing	<u>;</u>).

Non-English Language References

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	An English-language search report or equivalent paper from a foreign patent office is provided indicating the relevance of the cited reference(s).				
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	 X = document of particular relevance when it is taken alone Y = document of particular relevance when it is combined with another such document A = document defining the general state of the art O = non-written disclosure 				
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	In the search report, "Seite" means page, "Seiten" means pages, "Verbindungen der Formel" means Figure of formula, "Beispele" means examples, and "das ganze Dokument" means the entire document, "Spalte" means column, "Zeile" means line, "Abbildungen" means claims, "Anspruch" means example, "Zusammenfassung" means summary, and "Tabelle" means table, and "Tabellen" means tables "in der Anmeldung erwaehnt" means cited in the application, "Schema" means scheme, "und" means and, "Absatz" means break, "Abildung" means figure.				
Other Informa	<u>ation</u>				
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Respectfully submitted,

Anthony J. Zelano, Reg. No. 27,969 Attorney/Agent for Applicants

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Attorney Docket No.: MERCK-3033

Date: June 7, 2005

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Substitute for form 1443/VFTO				Complete ii Knowii — Complete			
				Application Number	USNP of PCT/EP2003/012693		
INFO	RMATION	DIS	CLOSURE	Filing Date	13 November 2003 (13.11.2003)		
STAT	EMENT BY	Y AF	PPLICANT	First Named Inventor	Matthew FRANCIS, et al.		
				Group Art Unit	unknown		
(0	use as many she	ets as	necessary)	Examiner Name	unknown		
Sheet	1	of	2	Attorney Docket Number	MERCK-3033		

U.S. PATENT DOCUMENTS							
Examiner Initials *	Cite No.1	U.S. Patent Document Kind Code ² Number (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
	001	2004/054196		KIRSCH, ET AL.	03-18-2004		
	002	5,976,407		TARUMI, ET AL.	11-02-1999		
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FOREIGN PATENT DOCUMENTS								
		Foreign Patent Docu		ent		Date of Publication of	Pages, Columns, Lines, Where Relevant	
Examiner Initials*	Cite No.1	Office ³	Number⁴	Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T⁵
	007	wo	02/100979		MERCK PATENT GMBH	12-19-2002		
	008	wo	02/34739		MERCK PATENT GMBH	05-02-2002		001
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	012	DE	196 27 350		GREBE, ET AL.	01-08-1998		
	013	wo	91/06613		HOFFMANN LA ROCHE	05-16-1991		004
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10/537805 Substitute for form 1449A/PTO Complete if Known USNP of PCT/EP2003/012693 Application Number INFORMATION DISCLOSURE Filing Date 13 November 2003 (13.11.2003) STATEMENT BY APPLICANT First Named Inventor Matthew FRANCIS, et al. Group Art Unit unknown (use as many sheets as necessary) Examiner Name unknown MERCK-3033 Sheet of Attorney Docket Number

		NON PATENT LITERATURE DOCUMENTS	74.73.22. 2.85.92
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	015	FISCHER F ET AL: "MOLEKULARES VERDRILLUNGSVERMOEGEN VON KOHLENHYDRAT- DERIVATEN, HELICAL TWISTING POWER, CARBOHYDRATES, INDUCED CHOLESTERIC PHASE DIASTEREOMERS, LIQUID CRYSTALS" ZEITSCHRIFT FUER NATURFORSCHUNG A, A JOURNAL OF PHYSICAL SCIENCES, TUEBINGEN, DE, Bd. 43, Nr. 12, 01 December 1988; Seiten 1119-1125	
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